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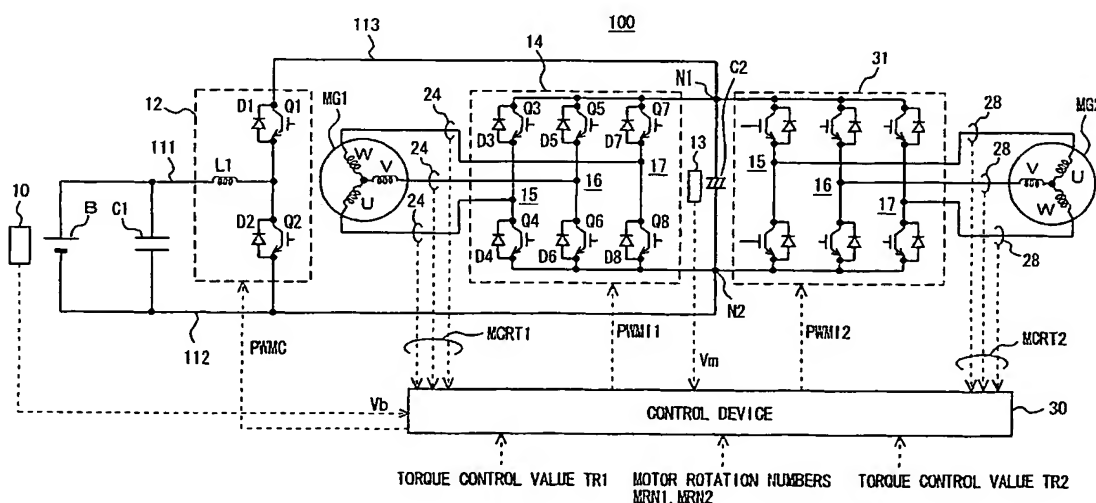
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(54) Title: VOLTAGE CONVERSION DEVICE



(S7) Abstract: A control device (30) calculates an upper limit value of a duty ratio (DR_Ulim) according to a voltage (Vm) from a voltage sensor (13) and a threshold voltage (OVb) when an overvoltage is determined to have been applied to a battery (B), and determines a duty ratio (DR) for providing switching control to NPN transistors (Q1, Q2) in a range lower than the calculated upper limit value of the duty ratio (DR_Ulim). The control device (30) uses the determined duty ratio (DR) to provide switching control to the NPN transistors (Q1, Q2). Then, an up-converter (12) converts a direct current voltage (Vb) from the battery (B) into the output voltage (Vm) such that an overvoltage is not applied to the battery (B).

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